

CONTROL OF TWIST, CROWN AND CAMBER FOR SLIDERS USING LOCATION SENSITIVE SCRIBING

Abstract

Embodiments include a method for adjusting the twist, crown and camber of an air bearing surface a slider to substantially match final target values for twist, crown and camber, the slider having a back surface opposite the air bearing surface, the back surface including two sets of diagonally opposite corner regions. The method includes the steps of measuring the twist, crown and camber of the at least one slider. A first group of twist scribes are formed on the back surface in one of the two sets of diagonally opposite corner regions. A first group of crown and camber scribes are formed on the back surface. The twist, crown and camber of the slider are measured and comparing to the final target values. Additional twist scribes are formed if the final target value for twist is not reached. Additional crown and camber scribes are formed if the final target values for crown and camber are not reached. Additional twist scribes may be formed on the other diagonally opposite corner regions if the twist target value is exceeded.